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INJECTABLE PHARMACEUTICAL COMPOSITION COMPRISING MICRODROPLETS OF A CAMPTOTHECIN

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ABSTRACT

An injectable pharmaceutical composition comprising: an aqueous suspension of microdroplets suitable for intravenous delivery, the microdroplets having a mean diameter between 200 Angstroms and one micron, the microdroplets comprising a substantially water-insoluble, pharmacologically acceptable liquid, a camptothecin dissolved in the water-insoluble, pharmacologically acceptable liquid, and an outer layer comprising a phospholipid. The pharmaceutical composition is particularly well suited for delivering camptothecins, particularly 9-nitro-camptothecin intravenously.